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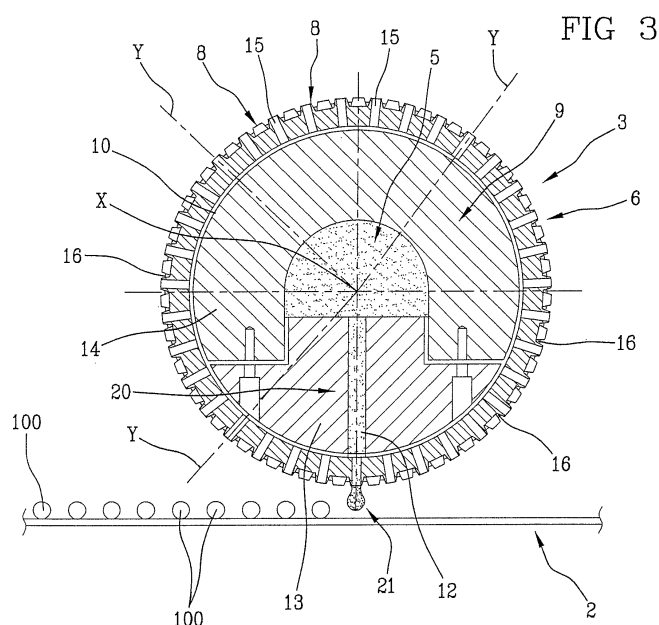
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(54) **Dosage cylinder for pastillation machine**

(57) A dosage drum for pastillation machines, comprises an internal cavity (5) for receiving a mass of viscous fluid material and at least a conduit (12) in fluid communication with the internal cavity (5); a cylinder (6) arranged about the internal cavity (5) and rotating about a substantially horizontal rotation axis (X), the rotating cylinder (6) comprising, on an external surface thereof (7), a plurality of protuberances (8) which are separated

from one another by gullies (16), the protuberances (8) comprising through-channels (15) which during rotation of the cylinder (6) face the conduit in order to place the internal cavity (5) in fluid communication with the outside environment and deposit drops of molten material. The gullies (16) which separate the protuberances (8) have a substantially curved and serpentine development.





EUROPEAN SEARCH REPORT

Application Number
EP 10 15 4797

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	WO 03/011447 A (SANTRADE LTD [CH]; PECK FILIPP [DE]) 13 February 2003 (2003-02-13) * claim 1; figure 5 *	1,8,10	INV. B01J2/04 B01J2/26
A,D	EP 0 511 197 A (BERNDORF BAND GMBH [AT]) 28 October 1992 (1992-10-28) * claim 1; figures 1,2,9 *	1,8,10	
A	EP 0 422 313 A (STEEL BELT SYSTEMS SRL [IT]) 17 April 1991 (1991-04-17) * claim 1; figure 1 *	1,8,10	
			TECHNICAL FIELDS SEARCHED (IPC)
			B01J
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 20 October 2014	Examiner Gilliquet, J
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
WO 03011447	A	13-02-2003	CA	2455496 A1	13-02-2003
			DE	10138334 A1	20-02-2003
			EP	1412071 A1	28-04-2004
			US	2004265412 A1	30-12-2004
			WO	03011447 A1	13-02-2003

EP 0511197	A	28-10-1992	AT	116810 T	15-01-1995
			CA	2066975 A1	27-10-1992
			CN	1066006 A	11-11-1992
			DE	59201168 D1	23-02-1995
			DK	0511197 T3	29-05-1995
			EP	0511197 A1	28-10-1992
			ES	2068022 T3	01-04-1995
			JP	3324043 B2	17-09-2002
			JP	H05177125 A	20-07-1993
			RU	2041068 C1	09-08-1995
			US	5286181 A	15-02-1994
			US	5395560 A	07-03-1995
			US	5492463 A	20-02-1996
			US	5723153 A	03-03-1998

EP 0422313	A	17-04-1991	CA	2006478 A1	13-04-1991
			DE	68901770 D1	16-07-1992
			DE	68901770 T2	21-01-1993
			EP	0422313 A1	17-04-1991
			ES	2034758 T3	01-04-1993
			IT	1236944 B	07-05-1993
			US	5032075 A	16-07-1991

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82